Purchasing Receipts

| PO039318 NEC002- VU 1 1 Net 30 | PO No | Supplier | Line Item No | Rel | Terms | Purchased Item | Description | For Part No | Equipment ID | Order Qty | Due Date | Received Quantity | Accounting Job No | Container No | Status | Receive Date | Price/Unit | Aging Days |
|--|----------|----------|--------------------|-----|--------|----------------|---|-------------------|-----------------|--------------|-------------|----------------------|----------------------|-----------------|--------|-----------------|---------------|---------------|
| ST Thick Plate X 0.25" Wide : MATERIAL: 77075-16*162 ALUMINUM SHEET AS PER Q-Q-250*12 QR AMS QAS OR ASTM Base receive it 12 \$055425 \$10ck 3/29/20*18 \$30.45 / ft \$100075*16*10*10*10*10*10*10*10*10*10*10*10*10*10* | PO039318 | | | 1 | Net 30 | | X 5.000 : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM | | | | 4/4/2018 | 12 | 8 | 5056423 | Stock | 3/29/2018 | \$ 18.10 / ft | 0 |
| 1" Thick Plate X 7" Wide: MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft 1.25" X 7.000" Order Pre Cut To 50.00": MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft 33 33 S056426 Stock 3/29/2018 \$ 44.65 / ft 1.25" X 7.000" Order Pre Cut To 50.00": MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS | | | 2 | | | | 6"" Thick Plate X 0.25"" Wide: MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM | | | | | 12 | | S056424 | Stock | 3/29/2018 | \$ 20.75 / ft | 0 |
| 1.25" X 7.000" Order Pre Cut To 50.00": MATERIAL: 7075-16762 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS | | | 4 | | | | 1"" Thick Plate X 7"" Wide: MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER. QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS | | | | | 12 | | S056425 | Stock | 3/29/2018 | \$ 30.45 / ft | 0 |
| B209 receive ft | | | 5 | | | | 1.25°" X 7.000°" Order Pre Cut To 50.00°": MATERIAL: 1075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 QR AMS-QQ-A- 150/12 OR AMS 1045 OR ASTM | | | 33 | | 33 | | 9056426 | Stock | 3/29/2018 | \$ 44.65 / ft | 0 |

Plex 3/29/2018 9:16 AM Dart Dubois Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

Tel (613) 632-5200

PURCHASE ORDER PO039318

Supplier:

MEC002-VU Metaux Castle

P.O. Box 4090 Stn A

Toronto ON

M5W OE9 Canada

PO No:

PO039318

PO Date:

3/14/18

Due Date: **Purchase Order**

4/4/18

Revision: **Revision Date:**

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.cdmAR 1 4 2018

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms: **Special Comments:**

| Line Item | Part | Supplier Part No | Description | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|--------------|---------------------|---------------------|--|--------|-------------|----------------|----------------------|---------|------------------------|-------------------|
| 1 | M7075T6S0.375X5.000 | | M7075T6S0.375 X 5.000 : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft | Firmed | 4/4/18 | 12 ft | 12 | 12 ft | \$18.10/ft MAR 2 9 201 | 8 |
| 2 | M7075T6S6.000X0.250 | | 7075-T6S Sheet 6" Thick Plate X 0.25" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft | Firmed | 4/4/18 | 12 ft | 12 | 12 ft | | \$249.00 0AS |
| 3 | M7075T6S1.750X4.500 | | M7075T6 Sheet 1.750 Thick X 4.500 Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 receive ft | Firmed | 4/4/18 | 12 ft | 0 ft | 12 ft | \$48.90/ft | \$586.80 |

Plex 3/14/18 1:32 PM dart.lavoie.chantal

| | | | Items | | | | | | |
|---------------------------|---|--|--------|-------------|-------------------|----------|-------|---------------------|--------------------------|
| Part | Supplier Part No | Description | Status | Due Date | Order Quantity | | | Unit Price (USD) | Extended Price |
| M7075T6S1.000X7.000 | | 7" Wide : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- | | 4/4/18 | 12 ft | 12 | | | , |
| M7075T6S1.250X7.000 | | To 50.00" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 | | 4/4/18 | 33.333 ft | o€ 33 | | MAR 2 9 | \$1,488.32 BOAS 11 |
| 8 pcs cut at 50" = 33.333 | 3 ft | | | | | | | | |
| M7075T6S.160 | | .160 : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 | Firmed | 4/4/18 | 48 sf | 0 sf | 48 sf | \$13.729166/sf | \$659.00 |
| | M7075T6S1.000X7.000 M7075T6S1.250X7.000 8 pcs cut at 50" = 33.333 | Part No M7075T6S1.000X7.000 M7075T6S1.250X7.000 8 pcs cut at 50" = 33.3333 ft M7075T6S.160 | Name | Name | Name | Name | Name | Name | Name |

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/14/18 1:32 PM dart.lavoie.chantal

24041556



PACKING SLIP/ CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Shipment No:3552225

Page 1 of 1

| | | | | - |
|--|--|--|-------------------------|---|
| 28.3863 | | 1 2 4 3 3 2 6 B G | | 21704707 |
| N) Length (IN) Shipped Qty(LBS) | Mech Id PCS Width (IN) | Heat Number Me | Mill/Source | 121704787 |
| | RTS | END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS | END USE: | |
| ים אד רושום טד טברועבאץ | IG MARKINGS EX.HEAT #'S | ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com | ALL MATE Email P/s a | |
| > | ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MIST BECEIVE | RWORK MUST FOLLOW ORD | ALL PAPE | Details |
| Invoice Qty | 1 DU BCS | | | 39318 |
| SPECIFICATIONS: AMS | IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12 | Part Number | | Purchase Order No |
| JM:48.5000.144.5000 | 0.3750.PL.7075.T651.ALUMINUM:48.5000.144.5000 CUT-2SIDED TO 5 IN (+ .1250/0000 IN) X 144.5 IN (+ .1250/0000 | 750067.MO | | 5077183 |
| | Description | Item No | Line No | Order No |
| R | Final Destination Branch - TOR | | ails | Shipment Details |
| 3552225-2 | MANITOULIN | Prepaid | ORIGIN | 27-MAR-18 |
| BOI NO | Carrier | Freight Terms | F.O.B. | Date Shipped |
| DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA | DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN | DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY. ON K6A 1K7 CA | | A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN |
| Deliver To: | Ship To: | Sold To: | | Ship From: |

We hardly certify the material covered by this certification conforms in accordance with the above specific test reports are on the subject to exhibitation. All claims for detective material are waived upon finale in the circle.

Reviewed by Authorized Castle Metal's Representative

as been found to meet the applicable requirements for the material, including any specifications by thing a part of the describion of M. Castle & Co. within 60 days of the shipment. Material by to the correct size, or material by the Millionier cannot be returned.

Name: MAR-2-7-2018



CERTIFICATE OF CONFORMANCE PACKING SLIP/

A. M. Castle & Co.

Page 1 of 1

for credit

Reviewed by Authorized Castle Metals Representative:

words and the enfound to meet the applicable incurrenents for the material, including any specifications forming a p witing to the action of the applicable instrument. Abtendicut to the connect size, or material cut by the custom

Date:

Name:

MAR-2-7-



PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Shipment No:3552225

Page 1 of 1

2K7 2150 ARGENTIA ROAD A. M. CASTLE & CO MISSISSAUGA, ON L5N Ship From: HAWKESBURY, ON K6A 1K7 Sold To: 1270 ABERDEEN DART AEROSPACE LTD HAWKESBURY, ON Ship To: K6A 1K7 CAN DART AEROSPACE LTD 1270 ABERDEEN CA K6A 1K7 HAWKESBURY, ON 1270 ABERDEEN DART AEROSPACE LTD Deliver To:

| 121/04/8/ | Delivery No. | | Cetano | 39318 | Purchase Order No | 5077183 | Order No | Shipment Details | 27-MAR-18 | Date Shipped |
|----------------|------------------------------|---|--|-------------------|-------------------|--|-------------|--------------------------------|------------|---------------|
| | Mill/Source | END USER: | ALL MATER | ALL DADEDA | | ω | Line No | ils | ORIGIN | F.O.B. |
| 9392368 Jel | Heat Number | END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS | ALL MATERIAL MUST HAVE IDENTIFYING NAME OF THE PROPERTY OF THE | NODE MILET FOLLOW | Part Number | 752188.MO | Item No | | Prepaid | Freight Terms |
| | Mech Id PCS | AFT PARTS | ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com | 1.00 PCS | Ordered Oty | 1.0000.PL.7075.T65 CUT-2SIDED TO 7 I IN) - ALUMINUM P | Description | Final Destination Branch - TOR | MANITOULIN | Carrier |
| | Width (IN) Leng | | EIVE / | | = | 1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT 2SIDED TO 7 IN (+ .1250/0000 IN) X 144.5 IN (+ IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS- | | Branch - TOR | 3 | |
| 105.3288 | Length (IN) Shipped Qty(LBS) | | AT TIME OF DELIVERY | 1.00 PCS | Invoice Qtv | 1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT-2SIDED TO 7 IN (+.1250/0000 IN) X 144.5 IM (+.1250/0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-OO-A-250/12 | | | 3552225-2 | BOL No |

for credit.
Reviewed by Authorized Casile Metals Representative

We hereby certify the material coveried by this certification conforms in accordance with lest reports are on the subject to examination. All chims for defective material are written

been found to meet the audicable requirements for the material, including any specifications forming a part of the description Caselle 6 Co value 60 days of the sthoment. Waterial cut to the cornect size, or material cut by the Chargest cannot be returned

Date:

Name

MAR 27 2018

TOR



PACKING SLIP/ CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

| DART AEROSPACE LTD I 1270 ABERDEEN UGA. ON L5N HAWKESBURY. ON K6A 1K7 HAWKESBURY. ON K6A 1K7 HAWKESBURY. ON K6A 1K7 HAWKESBURY. ON K6A 1K7 CAN CA Freight Terms MANITOULIN Details Freight Terms Carrier MANITOULIN Final Destination Branch - TOR Line No Item No Description 1.2500 PL.7075 T651 ALUMINUM US COUT RECTANGLE TO 7 IN (+ .1250 .0000 IN) - ALUMINUM PLATE SAV AMS-OQ-A-250/12 Order No Part Number ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S EMBU USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS END USE: COMMERCIAL AIRCRAFT PARTS END USE: COMMERCIAL AIRCRAFT PARTS IN TOTAL | We hereby cently fest reports are o for credit Reviewed by Auth | 121687352 | Details Delivery No | 39318 | 5077183 | Order No | Shipment Details | Date Shipped 27-MAR-18 | A. W. CA. 2150 ARC MISSISS. 2K7 CAN |
|--|---|---------------|---|-------------------------|--|-------------|---------------------|----------------------------|---|
| TID DART AEROSPACE LTD 1270 ABERDEEN 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN MANITOULIN Final Destination Branch - TOR MANITOULIN Description | lee subject to e-aramation rized Castle Metals Represe | | M | 1 | | Lin | Details | ed | A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN |
| Carrier MANITOULIN CA CA CA CA CA CA CA CA CA C | 1000 | 9 4 0 8 9 3 4 | MATERIAL MUST HAVE ID ail P/s and certs to: clavoie@ D USER: DART AEROSPACED USE: COMMERCIAL AIRC | Part Number | 752114.MO | | | Z | DART AEROSPACE L 1270 ABERDEEN HAWKESBURY, ON K CA |
| TALUMINUM USI. 48.5000.14 1.ALUMINUM USI. 48.5000.14 O 7 IN (+ .1250/0000 IN) X. UM PLATE SAW SPECIFICA Invoice QU 8.00 PCS JST RECEIVE AT TIME OF DE JEAT #'S JST RECEIVE AT TIME OF DE JST RECEI | THE | | OW ORDER / CUSTOMER MI ENTIFYING MARKINGS EX:H idartaero.com E RAFT PARTS | Ordered Qty 8.00 PCS | 1.2500.PL.7075.T65 CUT RECTANGLE T .0000 IN) - ALUMID AMS-QQ-A-250/12 | Description | Final Destination B | | |
| Shipped Qty(LBS) 362.2664 Short wastumer cannot be described to be followed by V.00 | Name: | g | T TIME OF DE | \perp | 1.ALUMINUM.USI.48.5000.144 10 7 IN (+.1250/0000 IN) X NUM PLATE SAW SPECIFICAT | | ranch - TOR | BOL No 3552225-2 | |



-4. VILLELLEL Materials Testing Laboratory

Constellium Rolled Products Ravenswood, LLC

A M CASTLE & CO. S н 14001 ORANGE AVE. PARAMOUNT CA 90723 0

S 0 1 D T Ö

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523

INCLUSION

Serial: 20180104-0110606831

Pg 10f3

CUSTOMER PURCHASE ORDER NO. & ITEM 448875

Constellium ORDER NO. 228501

4CLAD ALLOY 7075

A M CASTLE

TEMPER GATIGE T651 1.25000 in 31.75 mm

110606831

WIDTH 48.50000 in 1,232 mm

LENGTH 144.50000 in 3.670 mm

ITEM ORDERED SPEC PLATE, SAWED

CUSTOMER SPECIFICATION AMS 4045K

PART NUMBER 752114

B/L NUMBER 92452

4075

DATE SHIPPED 01/04/2018

WT. SHIPPED 5340,000 LB

NO. OF PIECES 000006

GOVT, CONTRACT NO.

CERTIFICATION

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Tes: reports are on file, subject to examination." Constellism Rolled Products Ravenswood, LLC 859 Century Road

P.O. BOX 68 RAVENSWOOD, WV 26164 USA

Stove Good - Laboratory Manager

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM 8594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A AMS QQ-A-250/12A

AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE ASTM B209-14

BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE



| Package | Net Lbs | Kg | Lot | Piece | Serial | Parent Lot |
|------------|---------|---------|---------|-------|--------|------------|
| 1001681411 | 890.000 | 403.697 | 9408934 | 01 | | |
| 1001681411 | 890.000 | 403.697 | 9408934 | 02 | | |
| 1001681411 | 890,000 | 403.697 | 9408934 | 03 | | |
| 1001681412 | 890.000 | 403.697 | 9408935 | 01 | | |
| 1001681412 | 890.000 | 403.697 | 9408935 | 02 | | |
| 1001581412 | 890.000 | 403.697 | 9408935 | 03 | | |

Lot: 9408934

Tensile - Room Temperature (US)

| | | Ultimate | (KSI) | Yield (K | (SI) | Elongation | (%) | Report |
|-----------|-------|----------|-------|----------|------|------------|------|--------|
| Direction | Tests | Min | Max | Min | Max | Min | Max | |
| LT | 02 | 79.5 | 79.9 | 70.1 | 70.3 | 12.5 | 13.0 | |

P-860-155D REVISED: 10 2014

Trumury Constellium Constellium Rolled Products Materials Testing Laboratory Ravenswood, LLC A M CASTLE & CO. A M CASTLE 5 5 0 H 1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 14001 ORANGE AVE. PARAMOUNT CA 90723 0 P 115 US 0 0 A M CASTLE 110606831 4075 INCLUSION Serial: 20180104-0110606831 Pg 2oi3 CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. CERTIFICATION 448875 228501 "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the TEMPER GAUGE ALLOY CLAD WIDTH LENGTH requirements of the applicable specifications as 48.50000 in 7075 T651 1.25000 in 144,50000 in indicated herein. Any warranty is limited to that 31.75 mm 1,232 mm 3.670 mm shown on Constellium Rolled Products' standard General Terms and Conditions of Sales, Test ITEM ORDERED reports are on file, subject to examination." SPEC PLATE, SAWED MILL FINISH Constellium Rolled Products Ravenswood, LLC 859 Century Road CUSTOMER SPECIFICATION P.O. BOX 68 AMS 4045K RAVENSWOOD, WV 26164 USA PART NUMBER B/L NUMBER DATE SHIPPED 752114 92452 01/04/2018 WT. SHIPPED NO. OF PIECES GOVT. CONTRACT NO. 5340.000 LB 000006 Steve Good - Laboratory Manager Tensile - Room Temperature (SI) Yield (N/MM2) Elongation (%) Report Ultimate (N/MM2) Direction Tests Min Max Min Max Min Max LT 548 551 02 483 485 12.5 13.0 Chemistry (Actual)

FE CU MN MG CR ZN TI ZR Core 0.07 0.15 1.40 0.04 2,59 0.22 5.43 0.04 0.00

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9408935

Tensile - Room Temperature (US)

| | | Ultimate | (KSI) | Yield (K | (SI) | Elongation | (%) | Report |
|-----------|-------|----------|-------|----------|------|------------|------|--------|
| Direction | Tests | Min | Max | Min | Max | Min | Max | |
| LT | 02 | 80.7 | 80.7 | 71.1 | 71.4 | 12.5 | 13.0 | |

P-860-1550 REVISED: 10 2014



Motorials Testing Laboratory

Constellium Rolled Products Ravenswood, LLC

A M CASTLE & CO. A M CASTLE S S 0 H 14001 ORANGE AVE. 1420 KENSINGTON ROAD, SUITE 220 L OAK BROOK IL PARAMOUNT CA D P 60523 90723 US 0 0 A M CASTLE 110606831 4075 INCLUSION Serial: 20180104-0110606831 Pg 3013 CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. CERTIFICATION 448875 Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the ALLOY CLAD TEMPER GAUGE WIDTH LENGTH requirements of the applicable specifications as 1.25000 in 48.50000 in T651 144.50000 in 7075 indicated herain. Any warranty is limited to that 3.670 mm 31.75 mm 1,232 mm shown on Constellium Rolled Products' standard General Torms and Conditions of Sales. Test ITEM ORDERED reports are on file, subject to examination. SPEC PLATE, SAWED MILL FINISH Constellium Rollod Products Revenswood, LLC 859 Century Road CUSTOMER SPECIFICATION P.O. BOX 68 AMS 4045K RAVENSWOOD, WV 26164 USA PART NUMBER B/L NUMBER DATE SHIPPED 752114 92452 01/04/2018 WT. SHIPPED NO. OF PIECES GOVT. CONTRACT NO. 5340,000 LB 000006 Steve Good - Laboratory Manager Tensile - Room Temperature (SI) Yield (N/MM2) Elongation (%) Report Ultimate (N/MM2) Direction Min Tests Max Min Max Min Max LT 02 556 556 490 492 12.5 13.0 Chemistry (Actual) FE CU MN MG CR ZN IT ZR Core 0.07 0.15 1.40 0.04 2.59 0.22 5.43 0.04 0.00 OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER All material contained in this lot was cast and manufactured in the USA QUALITY TEXTS: AMC CA-15403A R 7 THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY

OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; 8557 DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"

P-860-155D REVISED: 10 2014





CERTIFIED TEST REPORT Constellium Rolled Products Ravenswood, LLC

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A M CASTLE & COMPANY

4175 ROYAL DRIVE KENNESAW GA 30144 US

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

| A M CAS | TLE | 110550 | 666 4075 | | INCL | USION S | Serial:20170703-0110550666 Pg 1of3 |
|--------------------------------|----------|----------------|---------------------------------|--------------------------|-----------------|------------------------------------|--|
| CUSTON 426116 | MER PURC | CHASE OR | DER NO. & ITE | M | Const. 20934 | ellium ORDER N | CERTIFICATION "Constellium Rolled Products, hereby certifies the restal shipped under this order has been |
| ALLOY 7075 | CLAD | TEMPER T651 | GAUGE 1.00000 in 25.40 mm | WIDT) 48.500 1,232 | 00 in | LENGTH 144.50000 in 3,670 mm | inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard. |
| ITEM OR SPEC PL MILL FIN | ATE, SAV | VED | | | | | General Terms and Conditions of Sales, Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road |
| CUSTOM AMS 404 | | IFICATION | | | | | P.O. BOX 68 RAVENSWOOD, WV 26164 USA |
| PART NU 752188 | MBER | | B/L NUM 83324 | BER | | E SHIPPED 3/2017 | Steve Graf |
| WT. SHIP 4320 000 | | | OF PIECES | GOVT. | CONTR | ACT NO. | |
| | | | | | | | Steva Good - Laboratory Managor |

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A

AMS QQ-A-250/12A AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE

ASTM B209-14

ASIM 8209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

| Package | Net Lbs | Kg | Lot | Piece | Serial | Parent Lot |
|------------|---------|---------|---------|-------|--------|------------|
| 1001556284 | 720.000 | 326.586 | 9392367 | 01 | | |
| 1001555284 | 720.000 | 326.586 | 9392367 | 02 | | |
| 1001556284 | 720.000 | 326.586 | 9392367 | 03 | | |
| 1001556285 | 720.000 | 326 586 | 9392368 | 01 | | |
| 1001556285 | 720.000 | 326.589 | 9392368 | 02 | | |
| 1001556285 | 720.000 | 326.586 | 9392368 | 03 | | |

Lot: 9392367

Tensile - Room Temperature (US)

| | | Ultimate | (KSI) | Yield (K | SI) | Elongation | | Report |
|-----------|-------|----------|-------|----------|------|------------|------|--------|
| Direction | Tests | Min | Max | Min | Мах | Min | Max | |
| LT | 02 | 82.6 | 82.9 | 73.7 | 73.9 | 12.5 | 13.0 | |





CERTIFIED TEST REPORT Constellium Rolled Products

Ravenswood, LLC

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7075

ALLOY

A M CASTLE & COMPANY 4175 ROYAL DRIVE

KENNESAW GA 30144

s 0 Ð c

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 US

A M CASTLE

110550666

4075

INCLUSION

Serial: 20170703-0110550666

CUSTOMER PURCHASE ORDER NO. & ITEM 426116

T651

TEMPER GAUGE 1 00000 in 25.40 mm

WIDTH 48 50000 in 1,232 mm

209343

LENGTH 144,50000 in 3,670 mm

Constellium ORDER NO.

ITEM ORDERED

SPEC PLATE, SAWED

CLAD

CUSTOMER SPECIFICATION AMS 4045K

PART NUMBER 752188

B/L NUMBER 83324

DATE SHIPPED 07/03/2017

000005

CERTIFICATION

"Constellium Rolled Products, heraby certifies that motal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown an Constellium Rolled Products' standard General Terms and Conditions of Sales. Tost reports are on file, subject to examination." Constallium Rolled Products Ravenswood, LLC 859 Century Road

P.O. BOX 68 RAVENSWOOD, WV 26164 USA

WT. SHIPPED 4320,000 LB

NO. OF PIECES

GOVT. CONTRACT NO.

Stava Good - Laboratory Manager

Tensile - Room Temperature (SI)

| | | Ultimate | (N/MM2) | Yield (N | VMM2) | Elongatio | on (%) | Report |
|-----------|-------|----------|---------|----------|-------|-----------|--------|--------|
| Direction | Tests | Min | Max | Min | Max | Min | Max | |
| LT | 02 | 570 | 572 | 508 | 510 | 12.5 | 13.0 | |

Chemistry (Actual)

Core

SI FE CU 0.05 0.12 1.48 0.03

MN

MG CR 2.62 0.22

ZN 5.56

TE 0.03 ZR 0.00

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9392368

Tensile - Room Temperature (US)

| | | Ultimate | (KSI) | Yield (H | (SI) | Elongati | on (%) | Report |
|-----------|-------|----------|-------|----------|------|----------|--------|--------|
| Direction | Tests | Min | Max | Min | Max | Min | Max | |
| LT | 02 | 81.9 | 83.1 | 72.1 | 73.6 | 13.0 | 14.5 | |

P-860-155D REVISED: 10 2014





CERTIFIED TEST REPORT Constellium Rolled Products Ravenswood, LLC

S Hl P

A M CASTLE & COMPANY

4175 ROYAL DRIVE KENNESAW GA 30144

0 1 D

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220 OAK BROOK IL 60523 HS

| 0 | 03 | | | | | | | 0 | | | | |
|--------------------------------|---------|---------------|------------------|-----------------------|---|------------------|---------------------|--|---------|----------------------------|----------------------|--|
| A M CAS | TLE | 11055 | 0666 | 4075 | | INCL | USION | Seri | al:2017 | 0703-011 | 0550666 | Pg 3of3 |
| CUSTON 426116 | IER PUR | CHASE O | RDERI | NO. & ITEM | | Conste 209343 | ellium ORDE | R NO. | m | ollium Roll stal shippe | od under this | hereby certifies that order has been |
| ALLOY 7075 | CLAD | TEMPE 1651 | 1.00 | JGE 000 in 0 mm | n 1,232 mm 3.670 mm shown on Constellium Rolled | | | licable specifications as pranty is limited to that olled Products' standard | | | | |
| ITEM OR SPEC PL MILL FIN | ATE, SA | WED | | | | | | | rapo | rts are or tellium Ro | n file, subjec | ions of Sales Tost t to examination." s Ravenswood, LLC Road |
| CUSTOM AMS 404 | | CIFICATIO |)N | | | | | | | RAVENS | P.O. BOX WOOD, WV | 68 26164 USA |
| PART NU 752188 | MBER | | | B/L NUMB 83324 | ER | | E SHIPPED 3/2017 | | | St | - La | 1 |
| WT. SHIP 4320 000 | | | NO. OF 000006 | PIECES | GOVT. | CONTR | ACT NO. | | | Stev | s Good - Lat | boratory Manager |
| Tensile - | Room T | emperatu | | le (N/MM2) | Y | 'ield (N | /MM2) | Elo | ngation | (%) | Report | |
| Dire | ction | Tests | Min | Max | | Air | Max | Min | | Max | | |
| LT | (| 02 | 565 | 573 | 4 | 97 | 507 | 13. | 0 | 14.5 | | |

Chemistry (Actual)

FE 0.05 0.12 1.48 0.03

CU MN

CR MG 2.62 0.22

TI ZN 5.56 0.03 ZR 0.00

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS: AMC CA-15403 R 8

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY DES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8: 8557 DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"

P-860-1550 REVISED: 10 2014

SHIP TO:

A M CASTLE & CO 14001 ORANGE AVE P.O. BOX 1402 PARAMOUNT, CA 90723

SOLD TO:

AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number 4493592

| CUSTOMER PO NUMBE 448135-1 | R: WORK PACE | GAGE: CUSTOMER PAR 750023 | 1 1.6 | PRUNILOAD GOV'T CONTRACT N | UMBER: |
|-------------------------------|--------------|------------------------------|---------------------|----------------------------|-------------|
| KAISER ORDER NO: | SHIF D | | CLAD TEMPER | PRODUCT DESCRIPTION | |
| 1248439-1 | | N-2015 (7075 | BARE TOSI | Sawed Plate | |
| WEIGHT SHIPPED: | QUANTITY: | TRUCK B/L #: | GAUGE: 0.2500 (N | DIAMETER WINTH: LENGTH: | 151 |
| 3231 LB | 18 PCS EST. | 2071285 | (6 3500 MM) | | (3670 3 MM) |

MHU 2188858: LOT 24552484: 18 pieces;

Certified Specifications

AMS 4045/Revi-AMS-00-A-250/12/RevA CMMP 025/RevV

ASTM B 209/Rev14

Tost Code: 1542 Lot: 245524B4

Cast 571

Test Results Drop 12 Ingot 2

Melted in USA

(ASTM E8/6557)

IEN 2002-1)

Tensile:

Temper T651

Dir / # Tests LT / 2 (Min:Max)

MIN

Ultimate KSI (MPA) 86.1:86.1 (594:594)

Yield KSI (MPA) 76.6:76.7 (528 - 529)

Elongation % 11.7:12.6

(ASTM E1251)

Chemistry: Actual(wt%) 0.08

FE 0.17

FE

CU AAN 1.4 0.04

CU

MG 2.6 0.20

CR

ZN 5.7

ZN

TI

0.03

TE

ZR 0.01 0.01

OTHER TOT 0.03

ALLOY LIMITS

MG

7075 MIN(wt%) 0.00 0.00 MAX(wt%) 0.40 0.50

St

SI

1.2 0.00 2.1 0.18 2.0 0.30 2.9 0.28 Aluminum Remainder 5.1 0.00 6.1 0.20

0.00 0.00 0.05 0.05

ZR OTHER MAX

EACH 0.05 TOT 0.15

ORDER COMMENTS AMC CA-15409 R 3





CERTIFIED TEST REPORT

Serial Number 4493592

Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

CERTIFICATION

anes Jemenney

CENTIFICATION

So ser Aluminum, Trentwood Works, is ISO 9031, A55100, and ISO 14001 certified, and hareby certifies that all material shipped under this order:

has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

All test equipment and measuring devices are calibrated and certified in accordance abolicable specifications, For material thicknesses outside specification limits, indefinition in as shown herein and chemical composition meets specification requirements. Reported changes have been measured as clongation at fracture as mention the United States of America or a qualifying country par OPARS 252.872-1(a), was menufactured in the United States of America, and meets the requirements of DFARS 252.225 for demands on the transfer of the Content of t

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

Page 2 of 2

SHIP TO:

A M CASTLE & CO 3050 SOUTH HYDRAULIC WICHITA, KS 67216

SOLD TO:

AM CASTLE & CO-SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number 4488284

| CUSTOMER PO NUMBER | RE WO | RK PACKAGE: | CUSTOMER PAR 750067 | T NUMBER: | SHIP RUN/LOAD: GOV | T CONTRACT NUMBER: | |
|----------------------------|----------|-------------------------|------------------------|-----------------------------------|--|--------------------------------|-------|
| 1245835-1 | | SHIP DATE: 3-DEC-201 | 10 | BARE T651 | ,// | PTION: | |
| WEIGHT SHIPPED: 3226 LB | 12 PCS E | | K B/L #: 0527 | GAUGE: 0.3750 IN (9.5259 I | DIAMETERWIDTH: 48.500 IN (1231 9 M | LENGTH: 144.500 IN (3670 | 3 MM) |

MHU 2175452: LOT 24332686: 12 pieces;

Certified Specifications

AMS 4045/RevL CMMP 025/RevV AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Lot: 243326B6

Cast 540

Drop 97

Test Results Ingot 2

Melted in USA

(ASTM E8/8557)

(EN 2002-1)

Tensile:

Temper T651

LT / 3 (Min:Max)

Dir / # Tests

Ultimate KSI (MPA) 85.4:86.9

Yield KSI (MPA) 76.2:77.7

Elongation % 11.5:13.3

0.01

(525:536)

(ASTM E1251)

Chemistry: Actual(vvt%)

SI FE 0.07

CU MN MG 2.6

(589:599)

ZR

0.14

FE

1.5 0.03

CR 0.19

CR

0.18

0.28

ZN TI 5.8 0.02

0.01

TOT

ZR OTHER

OTHER 0.03

MAX

0.15

ALLOY LIMITS

MG

7075 MIN(wt%)

MAX(wt%)

0.00 0.00 0.40 0.50

SI

1.2 2.0

CU

0.00 2.1 0.30 2.9

MN

5.1 6.1

0.00 0.00 0.20 0.05

TI

0.00 0.05

EACH 0.05

TOT

Aluminum Remainder ORDER_COMMENTS AMC CA-15409 R 3



Phone: (800) 367-2586

CERTIFIED TEST REPORT

Trentwood Works - Spokane, WA 99215

Serial Number 4488284

CERTIFICATION

CENTIFICATION

Transported tested, and lound to be in conformance with the regularments of the specifications from making devices as a cabinated and sequilibration indicated herein.

All test conformal and measuring devices as a cabinated and certified in accordance epolications. For motivity, thicknesses outside specification limits, mechanical properties are as nature herein and chemical composition meets adeclification regular epolications. For motivity thicknesses outside specification in the timed States of America of America and certification regular epolication as nature.

**was malted in the United States of America of a qualifying country per OFARS 225.672-14st, was monutatived in the United States of America, and meets the requirements of DFARS 255.672-14st, was monutatived in the United States of America, and meets the requirements of DFARS 255.672-14st, was monutatived in the United States of America, and meets the requirements of DFARS 255.672-14st, was monutative for the United States of America, and meets the requirements of DFARS 255.672-14st, was monutative for the United States of America, and meets the requirements of DFARS 255.672-14st, was monutative for the United States of America, and meets the requirements of DFARS 255.672-14st, was monutative for the United States of America, and meets the requirements of DFARS 255.672-14st, was monutative for the United States of America, and meets the discretain of ASTM E1215 (4) point.

**Simple of the United States of America Agency - ECHA, REACH regulations, (EC) No 1997/2006, and Reset regularly monitors these requirements or understanding the regulation of the regulation of the Contect Mixeles as a state of the Dodd Frank Act.

A the of well repair.

**The of well repair

MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: | MAR 2 9 7018 | X7.000 PO/BATCH NO.: <u>C39318/505</u> 6426 |
|--|-------------------------|---|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | 7.85 133P12 33P12 | THICKNESS ORDERED: 1.250 THICKNESS RECEIVED: 1.250 SHEET SIZE ORDERED: 1.250 SHEET SIZE RECEIVED: 1.4 |

| DESCRIPTION | (Ch | CR eck (N) | COMMENTS |
|--|----------|------------------|-----------------|
| SURFACE DAMAGE | Y | N | |
| CORRECT FINISH | (Y) | N | |
| CORROSION | Y | (N | |
| CORRECT GRAIN DIRECTION | Ya | N | 4 |
| CORRECT MATERIAL PER M-DRAWING | Y | N | AM5.4045 |
| CORRECT THICKNESS | (Y') | N | |
| PHOTO REQUIRED | Y | (M) | |
| CORRECT REF # TO LINK CERT | α | N | Heat # 940 8934 |
| CORRECT MATERIAL IDENTFICATION | (Y) | N | |
| CORRECT M# ON THE MATERIAL | (Y) | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | K | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | M | |

| CUT SAMPLE PIECE OF | MATERIAL A | | | SS CHECK. | |
|---|------------|-----|-------|-----------|---------|
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING | HRC | HRB | DUR A | DUR D | WEBSTER |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) |
|------------------|-------------------|-----------------------------------|
| INSPECTED BY: | DAS 11 | SIGNED OFF BY: |
| DATE: | 9-89 MAR 2 9 2018 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

U REV. B SHEET 1 OF 1 17.05.05 10,11,08 RF DART AEROSPACE LTD
CP HAWKESBURY, ONTARIO, CANADA
ML DRAWMING NO.
LL M707576S SHEET 10
WM TITLE
SCA
DS-M 7075-T6 SHEET/PLATE SPEC N R 8 ADD. REF TO "PLATE" "T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149) 17.05.05 NEW ISSUE DRAWN CHECKED MFG. APPR. APPROVED DE APPR. DESIGN DATE **APPROVED** SPECIFICATION CONTROL DRAWING MELEASED 2017 JUN 19 0 WHERE ".TIT" = THICKNESS (IN INCHES) AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE) EG. 0.063" THICK SHEET = M707516S.063 EG. 3 5" WIDE BY 0.500" THICK PLATE = M707516S.500X3.500 B PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE A PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4048 / 4049 OR ASTM B209 00-A-250/42 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 TIT BY 4FT BY 10FT FOR SHEET M7075T6S TTT X W.WWW THK WIDTH A PREFERRED SIZE: SPECIFICATION: SPECIFICATION; B PART NUMBER: **®** 8

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MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: | 170757651.000 | X7.000 PO / BATCH NO.: S | 38318 15056425 |
|----------------------|---------------|--------------------------|----------------|
| DATE: _ | MAR 2 9 2019 | | |
| | 4 | | 2 |
| MATERIAL CERT REC'D: | Y-65 | THICKNESS ORDERED: | 1.000 |
| QUANTITY RECEIVED: | 121 | THICKNESS RECEIVED: _ | 1.000 |
| QUANTITY INSPECTED: | 17 | SHEET SIZE ORDERED: | NA |
| QUANTITY REJECTED: | 0 | SHEET SIZE RECEIVED: | 1/1 |
| | | | |
| | | | |

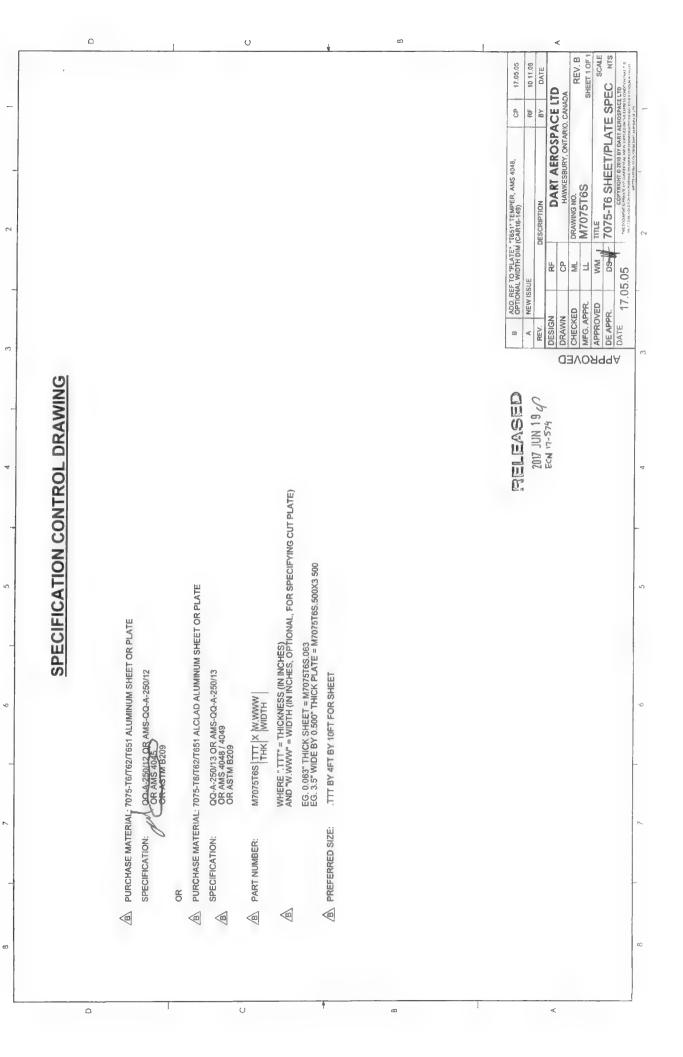
| DESCRIPTION | (Ch | CR leck (N) | COMMENTS |
|---|-----|-------------------|---------------|
| SURFACE DAMAGE | Y. | M) | |
| CORRECT FINISH | (Y) | N | |
| CORROSION | Y | (N) | |
| CORRECT GRAIN DIRECTION | (Y) | N | |
| CORRECT MATERIAL PER M-DRAWING | (Y) | N | Ams 4045 |
| CORRECT THICKNESS | Y) | N | |
| PHOTO REQUIRED | 7 | (N) | |
| CORRECT REF # TO LINK CERT | (A) | N | Tlat# 9392362 |
| CORRECT MATERIAL IDENTFICATION | B | N | |
| CORRECT M# ON THE MATERIAL | (Y) | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | 8 | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | N | |

| CUT SAMPLE PIECE OF | MATERIAL A | | | SS CHECK. | |
|---|------------|-----|-------|-----------|---------|
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING | HRC | HRB | DUR A | DUR D | WEBSTER |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) |
|------------------|------------------|-----------------------------------|
| INSPECTED BY: | DAS 11 | SIGNED OFF BY: |
| DATE: | 9-8 MAR 2 9 2018 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: | 170757686-000X0257 | PO / BATCH NO.: 0373/8/5056424 | 4 |
|---|--------------------|---|---|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | Yes 12 12 | THICKNESS ORDERED: 0.250 THICKNESS RECEIVED: 0.250 SHEET SIZE ORDERED: 11/A SHEET SIZE RECEIVED: 11/A | |

| DESCRIPTION | | CR leck | COMMENTS |
|--|-----|------------|-----------------|
| DESCRIPTION | | N) | COMMENTS |
| SURFACE DAMAGE | Y | N | |
| CORRECT FINISH | Y | N | |
| CORROSION | Y | (N) | |
| CORRECT GRAIN DIRECTION | W | N | |
| CORRECT MATERIAL PER M-DRAWING | (Y) | N | Ams-QQ-A-250/12 |
| CORRECT THICKNESS | (Y) | N | |
| PHOTO REQUIRED | Y | N | |
| CORRECT REF # TO LINK CERT | 8 | N | Heat # 245524B4 |
| CORRECT MATERIAL IDENTFICATION | (3) | N | |
| CORRECT M# ON THE MATERIAL | V | N | |
| DOES THIS MATERIAL REQUIRE | | | |
| ENGINEERING SIGN OFF | Υ | 1 | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | N | |

| CUT SAMPLE PIECE OF | MATERIAL A | ND PREFOR | M A HARDNE | SS CHECK. | · · · · · · · · · · · · · · · · · · · |
|------------------------------|------------|-----------|------------|-----------|---------------------------------------|
| F | RECORD RES | ULTS BELO | N | | |
| | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) |
|------------------|-------------------|-----------------------------------|
| INSPECTED BY: | DAS | SIGNED OFF BY: |
| DATE: S | 9-89 MAR 2 9 2018 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

B PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

00-A-250/12.0K AMS-00-A-250/12 OR AMS 4045 OR ASTM B209 SPECIFICATION:

OR

PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE 8

SPECIFICATION:

8

QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4048 / 4049 OR ASTM B209

B PART NUMBER:

M7075T6S TTT X W.WWW |

WHERE ".TTT" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

B

EG. 0.063" THICK SHEET = M7075T6S.063 EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

TIT BY 4FT BY 10FT FOR SHEET B PREFERRED SIZE:

NEW ISSUE 60 MELEASED 2017 JUN 19 40 ECN 17-574

REV. B SHEET 1 OF 1 10.11.08 17.05.05 DS- 7075-T6 SHEET/PLATE SPEC DARI AEROSPACE LID
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
F
M707576S
SHEE 8 품 ADD: REF TO "PLATE" "T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149) 유명물 Ⅎ 17.05.05 CHECKED MFG. APPR. APPROVED DE APPR. DESIGN DRAWN REV. DATE **APPROVED**

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MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: M700 | 257 AR 2 | 650 9 20 | D.375X 118 | 5.000 | PC |) / BATCH | INO.: <u>039</u> | 318/5056 |
|---|-------------|-------------------|---------------|----------|--------------------|-----------|------------------|----------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | 12 2 | 5 | | T S | HICKNE: HEET SI | | | |
| DESCRIPTION | (Ch | CR leck (N) | | | С | OMMEN | TS | |
| SURFACE DAMAGE | Υ | (M) | | | | | | |
| CORRECT FINISH | (8) | N | | | | | | |
| CORROSION | Y | (N) | | | | | | |
| CORRECT GRAIN DIRECTION | Y | N | | | 4 | | | |
| CORRECT MATERIAL PER M-DRAWING | V | N | Ams | QQ- | 4-2 | 50/12 | / | |
| CORRECT THICKNESS | (Y) | N | | | • | - | | |
| PHOTO REQUIRED | Y | (N) | 1 1 | | | | | |
| CORRECT REF # TO LINK CERT | (0) | Ň | Heat- | #24 | 3326 | B6 | | |
| CORRECT MATERIAL IDENTFICATION | _ | N | | , , , | | | | |
| CORRECT M# ON THE MATERIAL | (A) | N | | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | 8 | | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | (3) | | | | | | |
| | | | | | | | | |
| CUT SAMPLE PIECE | OF | MAT | TERIAL AI | ND PREF | ORM A H | HARDNE | SS CHECK | |
| | | | | ULTS BEL | | | | |
| TYPE OF MATERIAL SIZE OF TEST SAMPLE | | | HRC | HRB | | UR A | DUR D | WEBSTER |
| HARDNESS / DUROMETER READIN | NG | | | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) |
|------------------|-----------------|-----------------------------------|
| INSPECTED BY: | DAS 11 | SIGNED OFF BY: |
| DATE: | 9-8MAR 2 9 2018 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

N

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OD. A 260/12 OR AMS, QQ. A-250/12 OR AMS 4045 OR ASTM B209 SPECIFICATION:

△ PURCHASE MATERIAL: 7075-T6/T6/2/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION: B

QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4048 / 4049 OR ASTM B209

M707516S TTT X W.WWW THK WIDTH

B PART NUMBER:

U

(a)

WHERE ".TTT" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063 EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

B PREFERRED SIZE:

00

co MELEASED

2017 JUN 19 47 ECN 17-574

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REV. B 10.11.08 SHEET 1 OF 17.05.05 DATE 7075-T6 SHEET/PLATE SPEC DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M7075T6S
SHEE Cb RF ADD: REF TO "PLATE" T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149) TITLE CP WM LL 품 17.05.05 MFG. APPR. APPROVED CHECKED DE APPR. DESIGN DRAWN A REV. **APPROVED**

TIT BY 4FT BY 10FT FOR SHEET